

ABSTRACT OF THE DISCLOSURE

Output apparatus including a vectorization unit for vectorizing part of bitmap data into first vector data, a data production unit for producing bitmap data after transformation, and an
5 output unit of outputting that bitmap data. The data production unit includes an inverse transformation unit for transforming first coordinate information of a target dot with an inverse function of a certain calculation, and a color determination unit for determining the color of a dot specified by second coordinate information based on the first vector data and the color of a dot on the bitmap data so that the color determined thereby is setup for a dot
10 specified by first coordinate information, and a control unit for enabling the inverse transformation and the color determination to be performed on all dots on the bitmap data to be outputted. Thereby, jaggy-less bitmap data can be outputted without losing its image quality.